

2-25-2008

# STAT 3501 Course Proposal

Curriculum Committee

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## STAT 3501 - VIEW COURSE PROPOSAL

**Approvals Received:** Department  
on 02-25-08  
by Carol Ford  
(fordcj@umn.edu)

**Approvals Pending:** Curriculum Committee > Campus Assembly > Catalog

**Effective Status:** Active

**Effective Term:** 1085 - Summer 2008

**Course:** STAT 3501

**Institution:** UMNMO - Morris

**Career:** UGRD

**College:** MDSM - Division of Science and Mathematics

**Department:** 242 - UMM-Sci & Math, Div of-Adm

### General

**Course Title Short:** Survey Sampling

**Course Title Long:** Survey Sampling

**Max-Min Credits for Course:** 4.0 to 4.0 credit(s)

**Catalog Description:** The objective of this course is to introduce basic concepts and theory of designing surveys. Topics include sample survey designs including simple random sampling, stratified random sampling, cluster sampling, systemic sampling, multistage and two-phase sampling including ratio and regression estimation, Horvitz-Thomson estimation, questionnaire design, non-sampling errors, missing value-imputation method, sample size estimation and other topics related to practical conduct of surveys.

**Additional Course Information (for catalog production):** <no text provided>

**Grading Basis:** Stdnt Opt

**Honors Course:** No

**Delivery Mode(s):** Classroom

**Years most frequently offered:** Every academic year

**Term(s) most frequently offered:** Summer

**Component 1:** LEC (no final exam)

**Auto-Enroll Course:** No

<b><u>Graded Component:</u></b>	LEC
<b><u>Academic Progress Units:</u></b>	Not allowed to bypass limits. 4.0 credit(s)
<b><u>Financial Aid Progress Units:</u></b>	Not allowed to bypass limits. 4.0 credit(s)
<b><u>Repetition of Course:</u></b>	Repetition not allowed.
<b><u>Course Prerequisites for Catalog:</u></b>	1601 or 2601 or #
<b><u>Course Equivalency:</u></b>	No course equivalencies
<b><u>Consent Requirement:</u></b>	No required consent
<b><u>Enforced Prerequisites:</u> (course-based or non-course-based)</b>	No prerequisites
<b><u>Editor Comments:</u></b>	02.27.08 - Edited for PSoft. jlm
<b><u>Proposal Changes:</u></b>	<no text provided>
<b><u>History Information:</u></b>	<no text provided>
<b>Assessment and Goals:</b>	<no text provided>
<b><u>Rationale for Changes or Exceptions:</u></b>	SURVEY SAMPLING DESIGN IS VERY USEFUL FOR ALL ACADEMIC AREAS, BUT ESPECIALLY IN THE SOCIAL SCIENCES, EDUCATION AND MARKETING. THIS COURSE WILL BE ESPECIALLY HELPFUL FOR STUDENTS WHO MIGHT DO SURVEY RESEARCH IN THE FUTURE, BUT ALSO FOR STUDENTS WHO NEED TO READ AND UNDERSTAND THE SURVEY METHODS REPORTED IN OTHER RESEARCH.
<b>General Education</b>	
<b><u>Faculty Sponsor Name:</u></b>	Jong-Min Kim
<b><u>Requirement this course fulfills:</u></b>	M/SR - M/SR Mathematical/Symbolic Reasoning
<b>Provisional Approval:</b>	Not Requested
<b>Regular Approval:</b>	Requested on Oct 8, 2007